2020 CDBG PROJECT SEWER SYSTEM REHABILITATION LAFOLLETTE, TENNESSEE

FUNDING ASSISTANCE PROVIDED BY: 2020 CDBG PROJECT NO. 14005

MAYOR AND COUNCIL:

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MANAGEMENT:

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MACINDOE & ASSOCIATES, INC.

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Fairview Caryville

LOCATION MAP (NOT TO SCALE)

DRAWING INDEX

SHEET	
NO.	<u>TITLE</u>
G 1	COVER SHEET
G2	GENERAL NOTES, LEGEND, PIPE & MANHOLE TABLES
G3	PROJECT AREA MAP SUB-BASIN 4H WEST
G4	STANDARD DETAILS
C 1	SEWER REHABILITATION
C2	SEWER REHABILITATION
C 3	SEWER REHABILITATION
C 4	SANITARY SEWER PLAN & PROFILES
C 5	SANITARY SEWER PLAN & PROFILES

WPN 21.0388 **2020 CDBG Sewer Improvements** APPROVED FOR CONSTRUCTION

DIVISION OF WATER RESOURCES AND IS HEREBY APPROVED FOR CONSTRUCTION BY THE COMMISSIONER APPROVAL EXPIRES ONE YEAR FROM ABOVE DATE

05/07/27

Scale

GENERAL NOTES

- CONSTRUCTION OF THE SANITARY SEWER SHALL CONFORM TO THE SPECIFICATIONS AND INFORMATION CONTAINED HEREIN.
- 2. THE SURVEY INFORMATION FOR THIS PROJECT WAS PERFORMED BY MILLER LAND SURVEYING, LLC 116 ROBINDALE COURT, KINGSPORT, TENNESSEE 37663.
- 3. SURVEY HORIZONTAL CONTROL BASED ON NAVD88, AND VERTICAL CONTROL IS BASED ON NAVD88. ALL STATIONING AND DISTANCES INDICATED ON THE DRAWINGS ARE BASED ON HORIZONTAL MEASUREMENTS.
- 4. ALL WORK SHALL BE PERFORMED BY A TENNESSEE LICENSED UTILITY CONTRACTOR.
- 5. LAFOLLETTE UTILITIES BOARD EMERGENCY 24-HOUR CONTACT: (423) 562-3316.
- 6. THE CONTRACTOR SHALL HAVE AN APPROVED SET OF PLANS AND SPECIFICATIONS AND A COPY OF THE GENERAL STORMWATER POLLUTION PREVENTION PLAN (SWPPP) ON THE JOB SITE AT ALL TIMES.
- 7. UTILITIES INCLUDE BURIED WATER, SEWER, GAS, ELECTRIC, CABLE TELEVISION AND TELEPHONE; STREET LIGHTING; OVERHEAD POWER; AND TRAFFIC DETECTOR LOOPS. THE CONTRACTOR SHALL LOCATE AND PROTECT ALL SUCH FACILITIES. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL SUCH FACILITIES THAT ARE DAMAGED DURING CONSTRUCTION. PAYMENT FOR LOCATING, PROTECTING, COORDINATING AND REPAIRING EXISTING FACILITIES WILL BE INCLUDED IN OTHER ITEMS OF WORK AND NO ADDITIONAL COMPENSATION WILL BE MADE. ALL REPAIRS SHALL BE DONE IN ACCORDANCE WITH STANDARDS AND REQUIREMENTS OF THE RESPECTIVE UTILITIES OWNER.
- 8. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SUITABLE SIGNAGE, BARRICADES, AND LIGHTS FOR PROTECTION OF TRAFFIC. ANY EXISTING ROAD SIGNS REMOVED FOR CONSTRUCTION SHALL BE REPLACED BY THE END OF THE WORKING DAY. TEMPORARY STOP SIGNS SHALL BE ERECTED PRIOR TO REMOVAL OF PERMANENT STOP SIGNS.
- 9. THE CONTRACTOR SHALL NOT CLOSE OR BLOCK ANY HIGHWAY, STREET, OR ROADWAY WITHOUT FIRST OBTAINING AN APPROVED TRAFFIC CONTROL PLAN FROM THE CITY OF LAFOLLETTE, CAMPBELL COUNTY, AND / OR TDOT.
- 10. THE CONTRACTOR SHALL PROVIDE ACCESS TO UTILITY COMPANIES FOR MAINTENANCE AND WORK ON THEIR UTILITIES DURING THE COURSE OF WORK.
- 11. SURVEY MONUMENTS DISTURBED BY THE CONTRACTOR SHALL BE RESET. PRIOR TO DISTURBANCE CONTACT LAFOLLETTE UTILITIES BOARD TO TIE OUT MONUMENT.
- 12. THE CONTRACTOR SHALL VERIFY WORK IN FIELD AND SHALL SATISFY HIMSELF AS TO THE ACCURACY BETWEEN WORK SET FORTH ON THESE PLANS AND THE WORK REQUIRED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF LAFOLLETTE UTILITIES BOARD PRIOR TO START OF CONSTRUCTION. SEE CONTRACT DOCUMENTS.
- 13. THE EXISTING UTILITIES SHOWN AND INDICATED ON THE DRAWINGS ARE FOR GENERAL INFORMATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF EXISTING UNDERGROUND UTILITIES. ALL COSTS ASSOCIATED WITH POTHOLING WILL BE INCLUDED IN OTHER ITEMS OF WORK AND NO ADDITIONAL COMPENSATION WILL BE MADE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR DISRUPTION OF UTILITY SERVICE DURING CONSTRUCTION. THE CONTRACTOR SHALL VERIFY LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES IN THE PROJECT AREA PRIOR TO BEGINNING CONSTRUCTION. CALL TENNESSEE ONE CALL 1-800-351-1111.
- 14. THE CONTRACTOR SHALL PROVIDE SUPPORT OF EXISTING UTILITIES EXPOSED DURING EXCAVATION TO MAINTAIN SERVICE AND INTEGRITY OF UTILITY.
- 15. THE CONTRACTOR SHALL NEATLY SAW CUT ALL ROADWAYS AND DRIVEWAYS PRIOR TO INSTALLING A PERMANENT PAVEMENT REPAIR. RESTORE CONCRETE DRIVEWAYS, SIDEWALKS, AND CURBS TO THE NEAREST CONTROL JOINT.
- 16. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES DURING CONSTRUCTION.
- 17. INDICATED SCALES ARE BASED ON FULL SIZE DRAWINGS, AND IF DRAWINGS ARE REDUCED, SCALES MUST BE ADJUSTED ACCORDINGLY.
- 18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE PROJECT SITE RESULTING FROM THE CONTRACTOR'S CONSTRUCTION ACTIVITIES.
- 19. TREES THAT HAVE BEEN DAMAGED OR REMOVED, ASPHALT AND OTHER CONSTRUCTION DEBRIS SHALL BE REMOVED OFFSITE BY CONTRACTOR.
- 20. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE TO AND THROUGH EXISTING DRAINAGE FACILITIES FROM ALL NEWLY PATCHED DEPRESSIONS.

- 21. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR WORKING CONDITIONS ON THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- 22. WHEN EXCAVATION MUST OCCUR NEAR A UTILITY POLE, THE CONTRACTOR SHALL EMPLOY A LICENSED ELECTRICAL CONTRACTOR TO GUY, ANCHOR, BRACE, MECHANICALLY HOLD, ETC., THE POLE THROUGHOUT THE EXCAVATION PROCESS AND UNTIL THE EXCAVATED AREA CAN BE PROPERLY BACKFILLED AND COMPACTED TO PREVENT MOVEMENT OF THE POLE. IF THE EXCAVATION AFFECTS AN ANCHOR, THE POLE WILL NEED TO BE STABILIZED IN A SIMILAR MANNER UNTIL THE ANCHOR CAN BE REINSTALLED IN THE EXACT LOCATION. CONTRACTOR SHALL NOTIFY LAFOLLETTE UTILITIES BOARD NOT LESS THAN SEVEN (7) CALENDAR DAYS PRIOR TO EXCAVATION WITHIN TWENTY (20) FEET OF ANY POLE AND SHALL PROVIDE INFORMATION TO LUB PERTAINING TO THE METHOD THAT IS TO BE USED TO STABILIZE THE POLE, AS WELL AS THE NAME OF THE ELECTRICAL CONTRACTOR RESPONSIBLE FOR THE PORTION OF THE WORK.
- 23. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS.
- 24. THE CONTRACTOR SHALL NOTIFY LAFOLLETTE UTILITIES BOARD 48 HOURS PRIOR TO CONSTRUCTION.
- 25. LOCATION OF EXISTING RIGHT-OF-WAY (R.O.W.) ARE APPROXIMATE.
- 26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE PROJECT SITE.
- 27. CONTRACTOR SHALL RECONNECT ALL ACTIVE SANITARY SEWER SERVICES. INACTIVE SERVICES MAY NOT BE RECONNECTED. RECONNECTION OF ALL SERVICES SHALL BE COORDINATED WITH LAFOLLETTE UTILITIES BOARD.
- 28. THE CONTRACTOR MUST PERFORM ALL CONSTRUCTION WORK WITHIN EXISTING RIGHT-OF-WAY UNLESS SHOWN OTHERWISE ON PLANS.
- 29. LOCATION OF EXISTING RIGHT-OF-WAY (R.O.W.) LINES AND PROPERTY LINES ARE APPROXIMATE.
- 30. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND SHALL BE RESTORED TO EQUAL OR BETTER THAN ORIGINAL CONDITION.
- 31. DURING CONSTRUCTION, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE TEMPORARY TRAFFIC CONTROL MEASURES TO ENSURE SAFETY AT ALL TIMES FOR MOTORISTS AND RESIDENTS. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE CONTRACTOR'S APPROVED TRAFFIC CONTROL PLAN.
- 32. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL EXISTING UTILITY SERVICES DURING CONSTRUCTION. WHERE SERVICE INTERRUPTIONS ARE UNAVOIDABLE. COORDINATE WITH THE UTILITY OWNER BEFOREHAND REGARDING THE DURATION OF THE INTERRUPTION AND THE PROPER REINSTALLATION OF SERVICE. MAINTAIN A LIST OF EMERGENCY CONTACTS WITH EACH AFFECTED UTILITY FOR CASES OF ACCIDENTAL UTILITY DAMAGE.
- 33. THE CONTRACTOR SHALL AT ALL TIMES PRACTICE SAFE WORKING TECHNIQUES. THE CONTRACTOR SHALL FOLLOW ALL OSHA REGULATIONS PERTAINING TO CONSTRUCTION OPERATIONS.
- 34. THE CONTRACTOR SHALL PROVIDE EROSION CONTROL DEVICES PER TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC). ALL WORK NEAR AND AROUND WATERWAYS SHALL CONFORM TO THE RULES OF TDEC - DIVISION OF WATER RESOURCES. VIOLATIONS AND FINES LEVIED BY TDEC DUE TO CONTRACTOR NEGLIGENCE SHALL BE RECOVERED AT THE CONTRACTOR'S EXPENSE.
- 35. THE MINIMUM REQUIREMENTS FOR BACKFILL MATERIAL UNDER PAYMENT SHALL BE CRUSHED STONE, CLASS A AGGREGATE GRADING D AS SPECIFIED IN SECTION 903.5 OF THE TENNESSEE DEPARTMENT OF HIGHWAYS, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 1981, (PUG MIX), PLACED IN 8 INCH LIFTS AND COMPACTED TO 100% OF THE STANDARD PROCTOR DENSITY AT 2% LESS THAN THE OPTIMUM MOISTURE CONTENT AS DETERMINED BY AASHTO T99-81, THE FACILITY, AND THE MORE STRINGENT REGULATIONS SHALL APPLY.
- 36. REFER TO TDOT PERMIT FOR WORK PERFORMED WITHIN S.R. 63 (JACKSBORO PIKE)

LEGEND

SYMBOL	DESCRIPTION
	MATCH LINE
	SUB BASIN BOUNDARY
	MINI BASIN BOUNDARY
R/W	RIGHT-OF-WAY
100	EXISTING CONTOUR (SHOWN SCREENED)
	CENTERLINE
4.5", DOD	EXISTING SANITARY SEWER
——15" RCP——	EXISTING STORM DRAIN PIPE (SHOWN SCREENED)
SD	EXISTING STORM SEWER (SHOWN SCREENED)
	EXISTING AREA DRAIN OR CATCHBASIN (SHOWN SCREENED)
	SILT FENCE
	PROPOSED INLET PROTECTION
CONC 8" ——	EXISTING PIPE MATERIAL, PIPE SIZE AND FLOW DIRECTION
	EXISTING SANITARY SEWER MANHOLE TO REMAIN
0	SANITARY SEWER MANHOLE REHABILITATION
	REPLACEMENT SANITARY SEWER MANHOLE
\bigotimes	PROPOSED SANITARY SEWER MANHOLE
	COVERED / BURIED MANHOLE
\bigotimes	ABANDON MANHOLE
(17 - 10 6) (12)	MANHOLE NUMBER
(IPP)	SANITARY SEWER REPLACEMENT WITH PROFILE NUMBER
PB	INSTALL CURED IN PLACE PIPE
	PIPE BURST SANITARY SEWER LINE
\Diamond	POINT REPAIR
	ABANDON SANITARY SEWER LINE
NS-XX N 10,000.0 E 10,000.0	CONSTRUCTION COORDINATE
	NUMBER OF SERVICES INTO MANHOLE
1)-	NUMBER OF SERVICES INTO SEWER LINE

		TABU	LATION C	F WORK -	MANHOLE	ES .	
			Pipe Size	Approx. Depth @	Repair		
Manhole #	Location	Sheet No.	(ln.)	MH (Feet)	Method	Remarks	
6	Asphalt	C3	8	11.5	Rehab	-	
7	Grass	C3	8	12.5	Rehab	-	
8	Grass	C3	8	13	Rehab	-	
9	Grass	C3	8	16.7	Rehab	-	
10B	Grass	C3	8	12.7	Rehab	-	
11	Grass	C3	8	11.2	Rehab	-	
12	Grass	C3	8	10.3	Rehab	-	
13	Grass	C3	8	15.2	Rehab	Base/Bench Cracked, Inflow	
14	Grass	C3	8	7.8	Rehab	-	
15	Gravel	C1	8	7	Rehab	No Inspection Available	
16	Asphalt	C1	8	5.8	Rehab	-	
17	Grass	C1	10	14.2	Rehab	Exposed Aggregate, Force Main Discharges into MH	
18	Grass	C1	8	13.3	Rehab	-	
27	Asphalt	C1	10	12.0	Rehab	-	
28	Asphalt	C1	10	13	Rehab	-	
29	Asphalt	C1	10	14.5	Rehab	-	
31	Grass	C1	8	8	Rehab	No Inspection Available	
32	Grass	C2	8	10	Rehab	No Inspection Available	
33	Asphalt	C2	8	9	Rehab	-	
34	Asphalt	C2	8	9	Rehab	Evidence of I/I	
35	Grass	C2	8	9	Rehab	-	
115	Gravel	C2	8	9.1	Rehab	Replace Grade Ring then rehab	
116	Gravel	C2	8	8.3	Rehab	-	
152	Grass	C1	10	7.5	Rehab	Replace Grade Ring then rehab	
153	Grass	C2	10	6.5	Rehab	-	
153A	Gravel	C2	10	-	Rehab	No Inspection Available	
154	Gravel	C1	8	8	Rehab	-	
155	Woods	C3	8	10	Rehab	Replace Frame and Cover then rehab	
169	Grass	C3	8	12	Rehab	Replace Grade Ring then rehab	
171	Grass	C3	8	7	Rehab	Roots in Bench	
172	Grass	C3	8	6	Rehab		

								TAB	ULATION	OF WORK -	PIPES			
Item#	From Manhole	To Manhole	Street Name	Sheet No.	Pipe Size	Approx. dep (fee From	_	Approx Pipe Footage	Existing Pipe Material	Segment Action Code	Remarks	# of Services	Service Location	CCTV Video
0330	4H-18	4H-17	Jacksboro Pike	C1	8	13.3	14.2	140	VCP	CIPP	Sag @13.6'; Point Repair beginning @ MH 4H-18 (0+00 to 0+15)	0	-	Y
0278	4H-17	4H-27	Jacksboro Pike	C1	10	14.2	12	289	VCP	CIPP	Point Repair Broken Pipe @ 111.4' from MH 4H-17	5	Downstream 3 (L) 2 (R)	Y
0276	4H-28	4H-29	Behind Woodsons Mall	C1	10	13	14.5	249	VCP	CIPP	Easement	0	-	Y
0281	4H-152	4H-29	Behind Woodsons Mall	C1	10	7.5	14.5	221	VCP	CIPP	CSX RR Crossing (Maintenance Permit Required)	0	-	Y
0282	4H-152	4H-154	Memorial Drive	C1	8	7.5	8	309	VCP	PB	Parallel to RR	2	Upstream 2 (L)	Y
0293	4H-16	4H-17	Jacksboro Pike	C1	8	5.8	14.2	402	VCP	PB	Parallel to Jacksboro Pike	2	Downstream 1 (L) 1 (R)	Y
0294	4H-15	4H-16	Jacksboro Pike	C1	8	7	5.8	193	VCP	CIPP	-	1	Downstream 1 (L)	Y
0279	4H-14	4H-15	Jacksboro Pike	C1/C3	8	7.8	7	217	VCP	PB	Easement	1	Downstream 1 (L)	Y
0269	4H-154	4H-155	Memorial Drive	C1/C3	8	8	10	363	VCP	PB	Parallel to RR	0	-	Y
0283	4H-152	4H-153	Memorial Drive	C1/C2	10	7.5	6.5	229	VCP	PB	Parking Lot	0	-	Y
0272	4H-31	4H-32	Behind Woodsons Mall	C1/C2	8	8	10	163	VCP	PB	Parallel to RR	1	Upstream 1 (L)	Y
0268	4H-153	4H-153A	Memorial Drive	C2	10	6.5	-	224	VCP	PB	Easement	0		Y
0273	4H-33	4H-32	Jacksboro Pike	C2	8	9	10	213	VCP	PB	Parking Lot	1	Upstream 1 (L)	Y
0275	4H-35	4H-34	Jacksboro Pike	C2	8	9	9	298	VCP	PB	Yard	2	Upstream 1 (L) 1 (R)	Y
0224	4H-116	4H-115	Towe String Rd	C2	8	8.3	9.1	165	VCP	CIPP	CSX RR Crossing (Maintenance Permit Required)	1	Upstream 1 (L)	Y
0287	4H-12	4H-13	Jacksboro Pike	C3	8	10.3	15.2	156	VCP	CIPP	Material Change from 120'-140' (DIP) (Easement)	0	-	Y
0284A	4H-169	4H-13	Jacksboro Pike	C3	8	12	15.2	75	VCP	PB	Easement	1	Downstream 1 (L)	Y
0286	4H-172	4H-171	Behind Sharps Motel	C3	8	6	7	204	VCP	PB	-	1	Downstream 1 (L)	Y
0289A	4H-10B	4H-11	Jacksboro Pike	C3	8	12.7	11.2	180	VCP	CIPP	Point Repair beginning at MH 4H-11 (0+00 to 0+15)	0	-	Y
0292	4H-8	4H-9	Jacksboro Pike	C3	8	13	16.7	268	DIP	CLEAN	Heavy Clean, Deliver CCTV to Owner, Repair As Directed	-	-	Y
0296	4H-6	4H-7	Dossett Ln	C3	8	11.5	12.5	336	PVC	CLEAN	Heavy Clean, Deliver CCTV to Owner, Repair As Directed	-	-	Y



Know what's below

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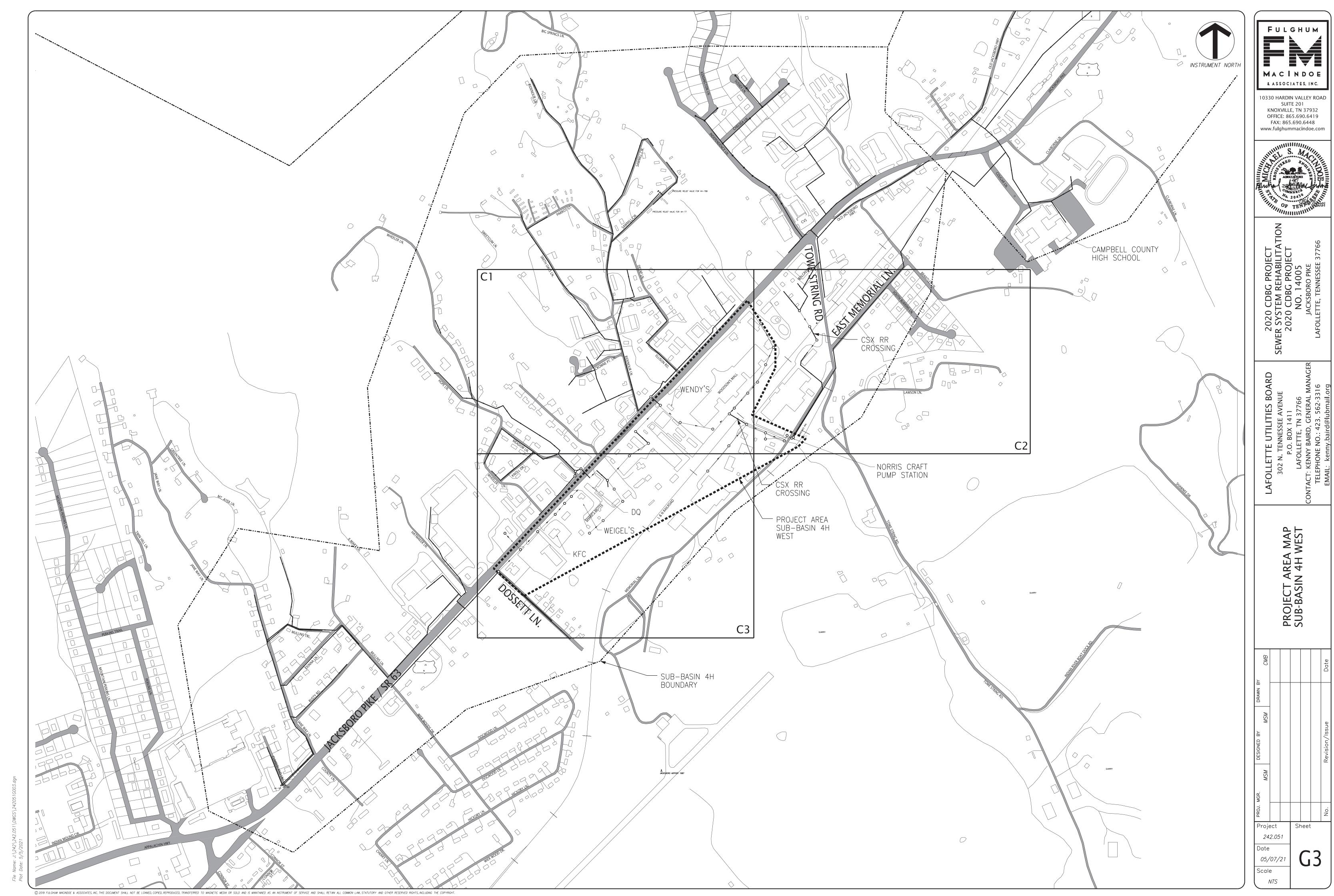
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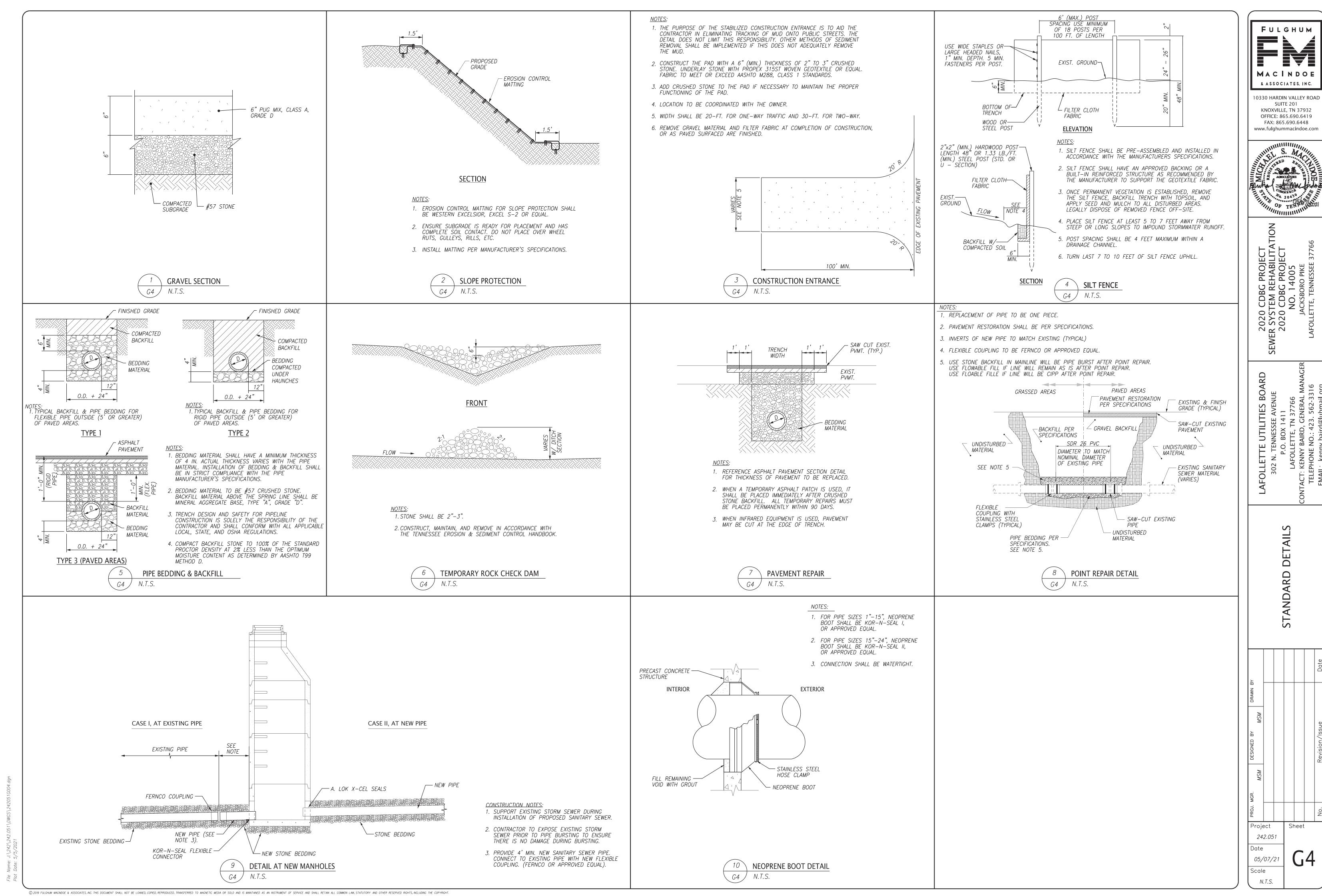


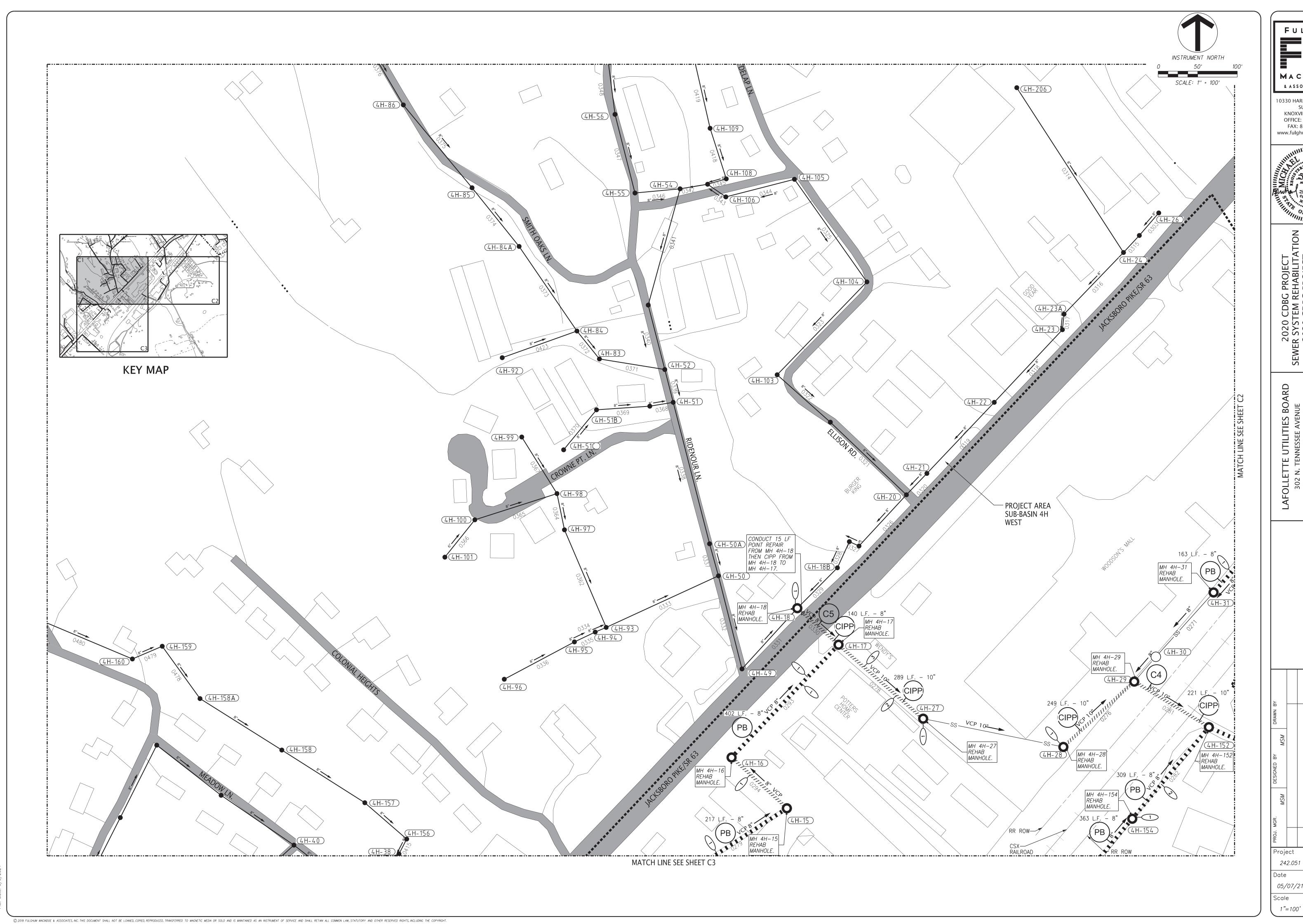
NOTES, PIPE & TABLE GENERAL LEGEND, I

Project 242.051 Date 05/07/21

Scale





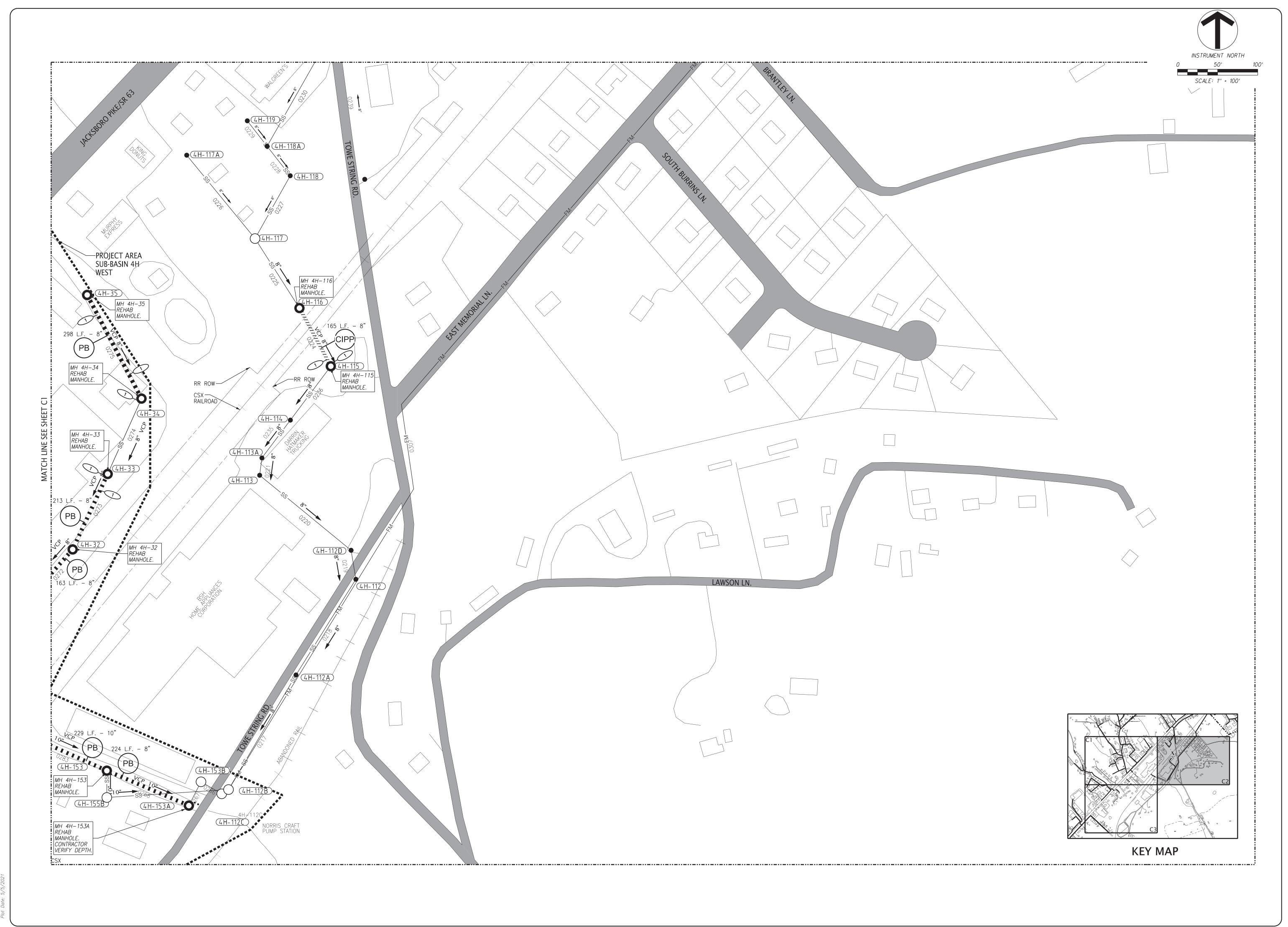


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REHABILITATION

Project

242.051 05/07/21



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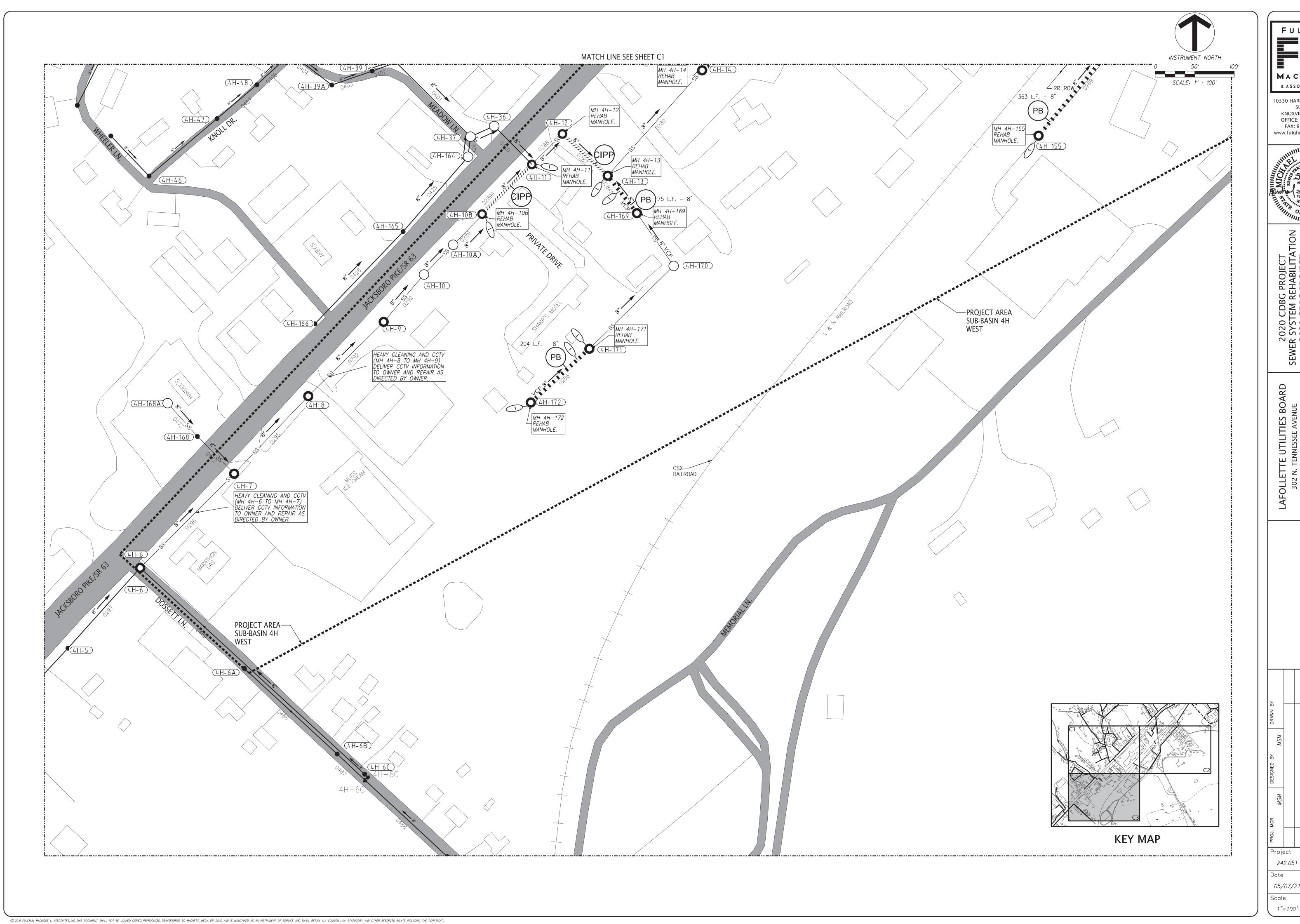


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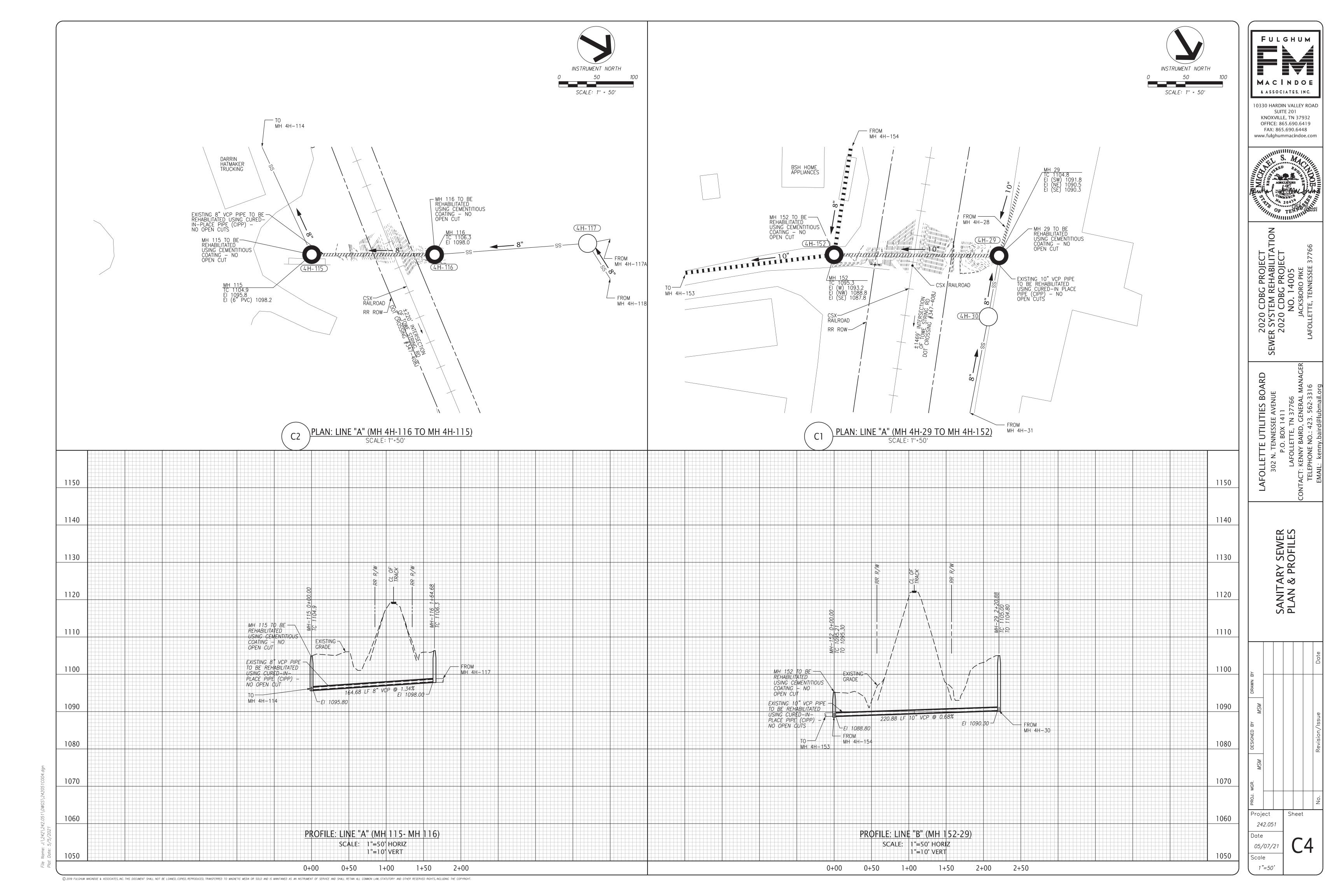
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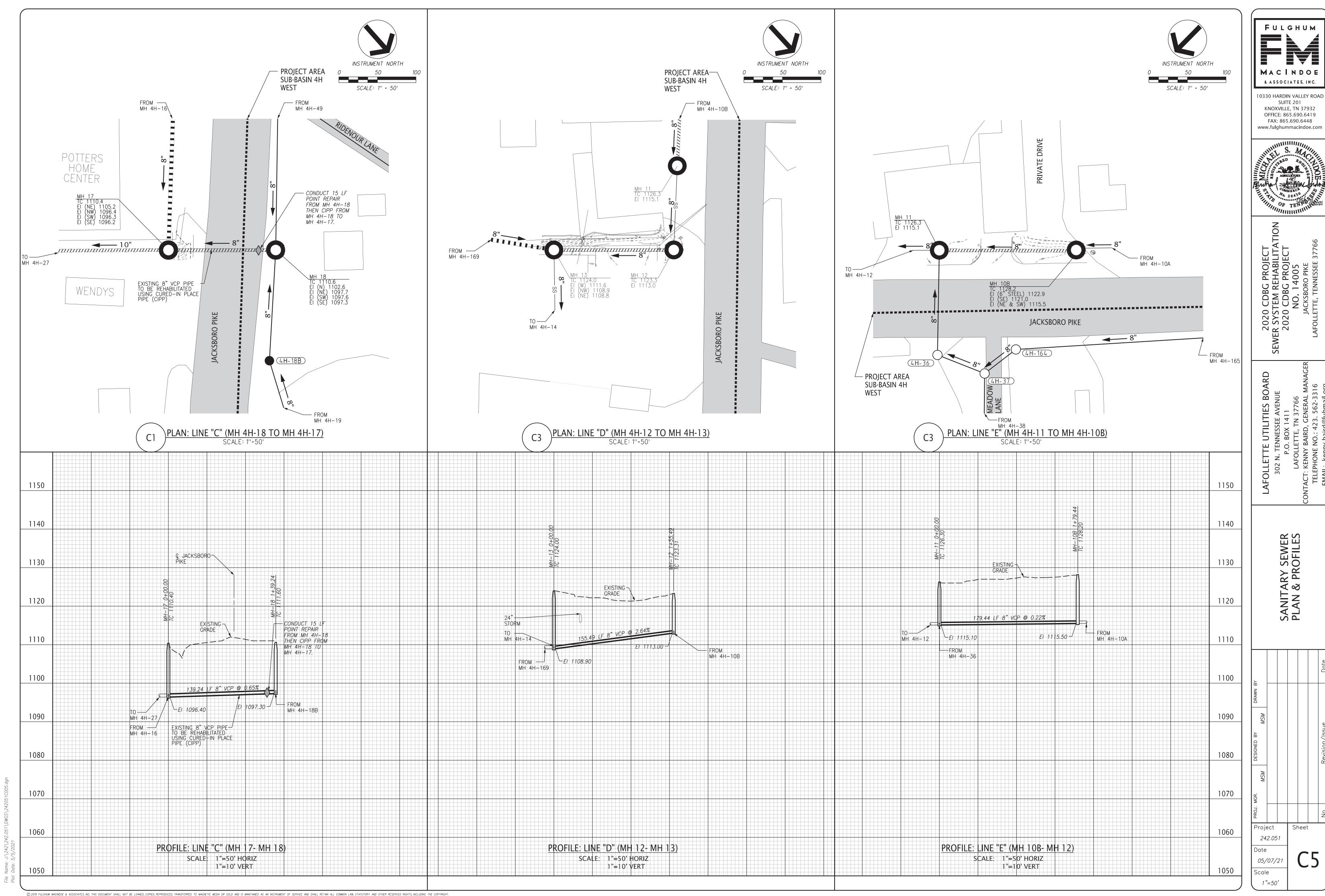
1"=100'



& ASSOCIATES, INC. 10330 HARDIN VALLEY ROAD SUITE 201 KNOXVILLE, TN 37932 OFFICE: 865.690.6419 FAX: 865.690.6448 www.fulghummacindoe.com SEWER SYSTEM REHABILITATION
2020 CDBG PROJECT
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